

Received & Inspected

JUL 26 2011

FCC Mail Room

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

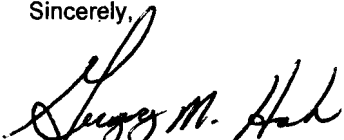
As a licensed Professional Land Surveyor in Delaware, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Delaware, but also for the United States as a whole. The members of the Delaware Association of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,


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PLS 711

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FCC MAIL ROOM
JUL 26 2011



14 South Maple Ave, Milford, DE 19963
(302)422-7327 (302)422-3929 (f)
rnash551@comcast.net

Bob Nash

ASSOCIATES
Surveying & Land Design

20 July 2011

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Chairman
Federal Communications Commission
445 12th Street SW
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This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Delaware, but also for the United States as a whole. As a member of the Delaware Association of Surveyors, I strongly urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,

Robert W. Nash
Delaware Professional Land Surveyor #551

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Sincerely,

Lauren R. McBride, PLS DE #308

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ADAMS-KEMP ASSOCIATES, INC. FCC Mail Room

PROFESSIONAL LAND SURVEYORS

217 SOUTH RACE STREET GEORGETOWN DELAWARE 19947

302-856-6699 1-800-892-4337 302-856-7350 (FAX)

JULY 20, 2011

Mr. Julius Genachowski

Chairman

Federal Communications Commission

445 12th Street SW

Washington, DC 20554

Dear Chairman Genachowski:

As licensed Professional Land Surveyors in Delaware and Maryland, we must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

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This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Delaware and Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors and Delaware Association of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

We have just invested in GPS units and Network access at a large cost when we can least afford it. Our dependence on this technology and the optimal performance of it is tantamount to the success of our business and our ability to provide the best and most accurate information that we can.

SINCERELY



CHARLES (CHUCK) ADAMS PLS 506 DE /10962 MD

CHUCK@ADAMSKEMP.COM



R.B. KEMP PLS 541 DE

RB@ADAMSKEMP.COM

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LIST A B C D E



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4801 Southwest Pkwy, Parkway Two, Suite 100, Austin, TX 78735
Ofc 512.447.0575 Fax 512.326.3029
sam@saminc.biz www.saminc.biz

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JUL 26 2011

FCC Mail Room

July 20, 2011

Chairman Julius Genachowski
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Dear Chairman Genachowski,

Our firm, Surveying And Mapping, Inc. (SAM, Inc.), is a leading provider of geospatial solutions for governmental, business and industry clients across the U.S. Our services are essential to support America's objectives of improving our national infrastructure for energy and transportation. Vital industries for oil and gas production, renewable energy development, electric power generation and transmission, and the national transportation network all depend on companies such as ours.

The national Global Positioning System (GPS) is a critical resource for our industry and we depend on it for virtually every aspect of our core operations. High-precision surveying and mapping requires specialized equipment and we have invested several million dollars in technology that relies on the existing GPS signal profile. The continued reliable operation of our GPS system and its compatibility with industry-standard equipment is absolutely essential to our mission. We cannot afford any disruption of GPS data fidelity or the burden of accelerated equipment replacement costs.

We are therefore concerned about the pending LightSquared network permit, due to its well-documented disruptive interference with high-precision GPS operations such as ours. Lightsquared's own recent technical study, prepared for the Federal Communication Commission, clearly identified and confirmed these problems. If the LightSquared network is allowed, then the use of existing high-precision GPS receivers will effectively have to be suspended. There is no current filter technology available to mitigate these issues. This is certain to have a major negative impact on the geospatial service industry and the critical national objectives they support. Consequently, we are asking for the Commission and members of Congress to deny the final permit for this network until these issues can be corrected.

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sam@saminc.biz www.saminc.biz

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Thank you for your consideration of this issue.

Sincerely,

A handwritten signature in black ink, appearing to read "S-G-H", with a long horizontal line extending to the right.

Samir "Sam" G. Hanna, RPLS
President, Surveying And Mapping, Inc.

cc: Commissioner Michael J. Copps
Commissioner Robert McDowell
Commissioner Mignon Clyburn
Commissioner Meredith Attwell Baker



Consulting, Municipal & Environmental Engineers
Planners • Surveyors • Landscape Architects

American Metro Center
100 American Metro Blvd., Suite 152
Hamilton, NJ 08619
Tel: 609.587.8200 • Fax: 609.587.8260

Received & Inspected

July 21, 2011

JUL 26 2011

VIA U.S. MAIL

FCC Mail Room

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

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This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for New Jersey, but also for the United States as a whole. The members of the

[Handwritten signature]

DATE



New Jersey Society of Professional Land Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Very truly yours

MASER CONSULTING, PA

Robert J. Farrar, P.L.S.
Survey Project Manager

RF/zpb
Enclosures

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Consulting, Municipal & Environmental Engineers
Planners • Surveyors • Landscape Architects

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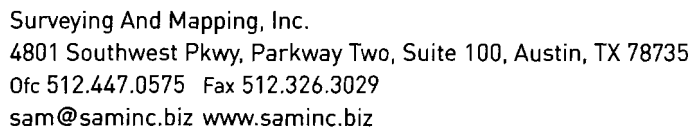
Very truly yours

MASER CONSULTING, PA

Michael Burns, P.L.S.
Principal – Survey Department Manager

MFB/zpb
Enclosures

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President, Surveying And Mapping, Inc.

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Name of Contact
Date of Reply

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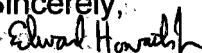
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Edward Horvath Jr., P.L.S.

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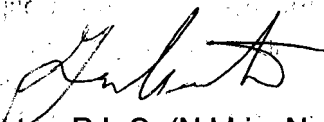
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Sincerely,



Gary A. Veenstra, P.L.S. (NJ Lic. No. GS37213)

0
DEADLINE

R.C. BURDICK, P.E., P.C.

1023 OCEAN RD., PT. PLEASANT, N.J. 08742 TEL. (732) 892-5050 FAX (732) 892-5888

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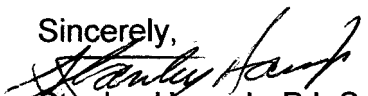
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Sincerely,


Stanley Hans Jr. P.L.S.

RCB: [unclear] 0
08/01/11

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JUL 26 2011

FCC Mail Room

Rodney A. Armstrong
3821 B Street
Lincoln, NE 68510

July 18, 2011

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Comment Deadlines Established Regarding the LightSquared Technical
Working Group Report, IB Docket No. 11-109

Dear Ms. Dortch,

I urge the Commission to continue working for a solution to the
LightSquared/GPS interference issues. The goal of expanded broadband
spectrum is too important to squander this opportunity. This is a particular
concern for sparsely population areas of the U.S. such as rural Nebraska.

LightSquared is an established communications provider with sufficient capital
and expertise to construct a national next-generation broadband wireless
network. Its network would greatly expand our nation's broadband wireless
spectrum at a time when demand for wireless data downloads is exploding. In
addition, as a wholesaler, LightSquared would greatly increase competition in the
consolidating wireless industry, while supplementing the capabilities of small
telecommunications providers serving rural areas.

GPS is an important technology that clearly should be protected. However, the
opportunity to incent a privately-funded, national wireless broadband provider to
launch service should not be impeded because of the inability to resolve
spectrum issues.

Very truly yours,
Rodney A. Armstrong
President, LightSquared

cc: Mr. [illegible]

Mr. [illegible]

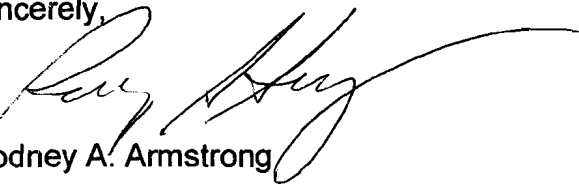
Mr. [illegible]

Mr. [illegible]

No. of Copies rec'd 0
DATE 7/26/11
BY [illegible]

America needs both LightSquared and GPS. Please find a solution. Thank you very much for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Rodney Armstrong", with a long, sweeping horizontal line extending to the right.

Rodney A. Armstrong